

AMENDMENTS TO THE CLAIMS

1-17. (Canceled)

18. (Currently Amended) A method for disambiguating from among a plurality of characters associated with a first button on a 12-button keypad on a mobile phone, comprising:

sampling mobile phone tilt along two axes parallel to a front face of the mobile phone;

maintaining a sample stack indicative of past mobile phone tilt samples;

upon detecting the first button being pressed by a user, determining a tilt state of the mobile phone by comparing a most recent mobile phone tilt to at least one of the past mobile phone tilt samples;

upon determining that the tilt state of the mobile phone falls within a first mobile phone tilt threshold, identifying a numeral associated with the first button;

upon determining that the tilt state of the mobile phone falls within a second mobile phone tilt threshold, identifying a first character associated with the first button;

upon determining that the tilt state of the mobile phone falls within a third mobile phone tilt threshold, identifying a second character associated with the first button; and

upon determining that the tilt state of the mobile phone falls within a fourth mobile phone tilt threshold, identifying a third character associated with the first button.

19. (Currently Amended) The method of Claim 18, further comprising upon determining that the tilt state of the mobile phone falls within a fifth mobile phone tilt threshold, identifying a fourth character associated with the first button.

20. (Currently Amended) The method of Claim 18, wherein the first, second, and third characters are lower-case letters, and wherein, upon determining that the mobile phone tilt is greater than a predetermined capital threshold, identifying a capital letter associated with the first button.

21. (Currently Amended) The method of Claim 18, wherein mobile phone tilt is sampled using a tilt sensor and a microprocessor, wherein the tilt sensor is part of the mobile phone.

22. (Original) The method of Claim 21, wherein the tilt sensor includes at least one acceleration sensor.
23. (Original) The method of Claim 21, wherein the tilt sensor includes at least one digital camera.
24. (Previously Presented) The method of Claim 18, wherein the mobile phone has a left side, a right side, a top, a bottom, and a display, and wherein the display and the 12-button keypad are located on the front face of the mobile phone.
25. (Currently Amended) The method of Claim 24, wherein the two axes include a first axis and a second axis, wherein the first axis runs through and is perpendicular to the left and right sides of the mobile phone, wherein the second axis runs through and is perpendicular to the top and bottom, and wherein when the front face of the mobile phone is facing the user, a mobile phone tilt to the left side along the second axis identifies the first character, a mobile phone tilt away from the user along the first axis identifies the second character, a mobile phone tilt to the right side along the second axis identifies the third character, and no mobile phone tilt identifies the numeral.
26. (Previously Presented) The method of Claim 25, wherein the first, second, and third characters are letters located on the first button associated with the numeral on the 12-button keypad.
27. (Currently Amended) The method of Claim 25, wherein mobile phone tilt toward the user along the first axis identifies a fourth character.
28. (Previously Presented) The method of claim 27, wherein the first, second, third, and fourth characters are letters located on the first button associated with the numeral on the 12-button keypad.